



MOMENTIVE
performance materials

silicone **Pensil*** 300

Product Description

Pensil 300 silicone is a one part neutral curing silicone sealant for sealing joints to control the spread of fire, smoke, toxic gases and water during fire conditions. Pensil 300 silicone has excellent primerless adhesion to most common building materials as glass, glazed surfaces, treated wood, aluminium, steel, masonry and concrete. Excellent movement accommodation makes it an ideal product for joints where fire resistance must be maintained without loss of adhesion or rupture resulting from normal environmental movement. The fire retardant additives used in Pensil 300 silicone do not contain halogens or isocyanates.

Key Performance

- UV-resistant
- Excellent durability
- Unaffected by high or low temperatures
- Weathering resistant
- 100 % silicone
- Low-modulus
- High elasticity
- Fire resistance
- Low odor

Key Applications

- Perimeter joints around fire doors ■

Material Adhesion

Pensil 300 silicone is a highly versatile sealant with excellent adhesion to most common building materials such as: glass, glazed surfaces, most plastics, concrete, metals, painted wood.





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PRODUCT PORTFOLIO

	Acetoxy	Neutral
Special Applications	1200* High Heat	Pensil* 300 Reflexsil* SSG 4000
Top Performance	Contractors Tradesil A	Silpruf* Silglaze* N Multisil*
	Sanitary A	Sanitary N
High Performance	Silplus* AS	Silplus X
	1200 GC* ¹	
	1200 HC* ¹ 1000 A	

¹ Only available in limited number of countries

PRODUCT DATA

General Product Data			
Cartridge Availability	ml		310
Foils Availability	ml		-
Colors Available			On request
Curing System			Neutral
Segment	Applications		Special
Uncured Product Data			
Specific Gravity			1.38
Application Rate	g/minute	6 mm orifice, 2 bar pressure	140
Sag	mm	ISO 7390	<2
Tooling Time	hours	at 23°C, 50 % RH	30
Tack Free Time	hours	at 23°C, 50 % RH	5-8
Shelflife	months		18
Application temperature	(°C)		+5 / +40
Cured Product Data			
Hardness (Shore A)	Shore A	DIN 53505	20
Full Cure	days		5 - 10
Tensile Strength	MPa	ASTM D 412 (die C)	1.7
Tensile modulus @ 100 % elongation	MPa	ASTM D 412 (die C)	0.45
Elongation at break	%	ASTM D 412 (die C)	>600
Tensile adhesion modulus @ 100 % elongation	MPa	ISO 8339 (glass substrates)	0.38
Tensile adhesion strength at break	MPa	ISO 8339 (glass substrates)	0.5
Tensile elongation at break	%	ISO 8339 (glass substrates)	250
Peel adhesion strength	Kn/m	ASTM C 794	7
Temperature resistance	(°C)		-40 / +100

CERTIFICATION

France: Label SNJF / VITRAGE n° 347, FACADE n° 346, CLASSE F25E/G25E, Code 11 - **UK:** Tested to BS 476, part 22; BS 5889, part A. - **Germany:** Entspricht den Anforderungen der DIN 18545-E; DIN 4102-B1, Teil 1 - **Sweden:** MTK Husama Group 58/ - **Italy:** Conforme alle Norme UNI 9610 / UNI 9611 - **International:** ISO 11600 F + G 25 LM

HANDLING & SAFETY

Material safety data sheets are available upon request from Momentive Performance Materials. Uncured product may irritate eyes, respiratory system and skin. In case of contact with eyes, flush immediately with plenty of water and seek medical attention. Avoid oral contact. Use only in well ventilated areas. Keep out reach of children.

INSTRUCTION FOR USE

Surface must be clean, dry and free from oil, grease, dust and other loose matter. Detergent or soap and water treatments are not recommended. Surfaces should be cleaned with alcohol, M.E.K. or other suitable solvent. The solvent used should be checked for compatibility with adjacent materials that it will contact.

INFORMATION

Phone: 00.800.4321.1000 / +31 164 293 276
Emergency phone: +44 (0) 208 762 8322

Internet: www.momentive.com
E-Mail: cs-eur.silicones@momentive.com

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